

**Listing of Claims**

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (previously presented) A method of preparing a protein array based on biochemical protein-protein interaction, comprising the steps of:

(a) depositing on a substrate an array of a first protein, the first protein comprising a PDZ domain; and

(b) applying a second protein, which comprises an amino acid sequence (S/T)-X-(V/I/L)-COOH, to the first protein array, the amino acid sequence (S/T)-X-(V/I/L)-COOH of the second protein binding to the PDZ domain of the first protein,

wherein each hyphen represents a peptide bond, each parenthesis encloses amino acids which are alternative to one other, each slash within such parentheses separates the alternative amino acids, and the X represents any amino acid which is selected from the group consisting of alanine, cysteine, aspartic acid, glutamic acid, phenylalanine, glycine, histidine, isoleucine, lysine, leucine, methionine, asparagine, proline, glutamine, arginine, serine, threonine, valine, tryptophan and tyrosine.

2. (original) The method of claim 1, wherein the amino acid sequence (S/T)-X-(V/I/L) is fused to the C-terminal of the second protein.

3. (currently amended) The A method for utilizing the protein array prepared by using the method of claim 1, to screen one or more drug targets, wherein the protein array is maintained under physiological condition, ~~and is used to screen one or more drug targets.~~

4. (original) The method of claim 1, wherein the first protein deposited in step (a) is in a soluble buffer.

5. (original) The method of claim 1, wherein the first protein deposited in step (a) is immobilized in a gel.

6. (original) The method of claim 1, wherein the substrate includes a plurality of microwells contained therein, and the first protein is deposited in step (a) into the microwells.

7. (original) The method of claim 1, wherein the substrate includes a glass plate, and the first protein array is printed onto the glass plate in step (a).

8. (original) The method of claim 1, wherein the substrate includes a glass plate and a plurality of gel pads on the glass plate, and the first protein is deposited in step (a) onto the gel pads.

9. (original) The method of claim 1, wherein the first protein is deposited on the substrate by a robot.

10. (currently amended) The method of claim 1, wherein an oligonucleotide is complexed to the first protein in at least one array element ~~includes an oligonucleotide~~.

11. (currently amended) The method of claim 1, wherein a messenger RNA is complexed to the first protein in at least one array element ~~includes messenger RNA~~.

12. (currently amended) The method of claim 1, wherein a DNA is complexed to the first protein in at least one array element

~~includes DNA.~~

13. (currently amended) The method of claim 1, wherein a sugar is complexed to the first protein in at least one array element  
~~includes a sugar.~~

Claims 14 and 15 (canceled).

16. (previously presented) A method of preparing a polypeptide array, comprising the steps of:

(a) depositing on a substrate an array of a first polypeptide, the first polypeptide comprising a PDZ domain; and

(b) applying a second polypeptide which comprises an amino acid sequence (s/T)-X-(V/I/L)-COOH to the first polypeptide array, the amino acid sequence (S/T)-X-(V/I/L)-COOH of the second polypeptide binding to the PDZ domain of the first polypeptide,

wherein each hyphen represents a peptide bond, each parenthesis encloses amino acids which are alternatives to one other, each slash within such parentheses separates the alternative amino acids, and the X represents any amino acid which is selected from the group consisting of alanine, cysteine, aspartic acid, glutamic acid, phenylalanine, glycine, histidine, isoleucine, lysine, leucine, methionine, asparagine, proline, glutamine, arginine, serine, threonine, valine, tryptophan and tyrosine.

17. (currently amended) The method of claim 16, wherein at least one array element includes an oligonucleotide ~~in addition~~  
complexed to the first polypeptide.

18. (currently amended) The method of claim 16, wherein at least one array element includes messenger RNA ~~in addition~~  
complexed to the first polypeptide.

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19. (currently amended) The method of claim 16, wherein at least one array element includes DNA ~~in-addition~~ complexed to the first polypeptide.

20. (currently amended) The method of claim 16, wherein at least one array element includes a sugar ~~in-addition~~ complexed to the first polypeptide.